Delaware Department of Transportation Division of Transportation Solutions Design Guidance Memorandum

Memorandum Number: 1-10

1. Road Design Manual	2. Bridge Design Manual	3. Utilities Design Manual
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4. Real Estate Manual 5. Standard Specifications 6. Standard Construction Details

Title: Pavement Design Requirements

Effective date: June 1, 2003

Implementation by:	X	Project	Teams, _	_X	Bridg	ge,	Team	Suppo	rt,		
Specifications,		Utility,	Rea	l Estate	, X	Qualit	y, X	DTC,	Other	M&R	

I. Purpose:

To: 1) inform designers and consultant managers that all pavement design requests are to be sent to Materials & Research for design and 2) to provide guidance to designers and consultant managers of the requirements necessary to perform pavement designs.

See also DGM 1-9 Defining Pavement Coring and Subsurface Investigation and DGM 1-11 Subsurface Investigation for Consultant Designed Projects for more specific details.

II. Design Guidance:

In order for Materials & Research's Pavement Design Engineer to perform a pavement design, the following parameters are required from the designer:

- Traffic data (ADT)
- Truck percentages
- Weight group pattern of trucks
- Directional split
- Existing pavement structure (if applicable)
- Subsurface investigation report (if applicable)
- Description of any existing pavement deterioration

Copies of any existing corings, borings, or subsurface condition reports, should be provided to the Pavement Design Engineer when sending the pavement design request. The Pavement Design Engineer may elect to have additional corings, borings, or other investigations performed to ensure the existing conditions are known and taken into consideration when performing the pavement design. All information, including the design, will be forwarded to the designer for their records.

III. Justification:

To: inform designers and consultant managers of required pavement design inputs and ensure uniformity in design.

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